



Doty Surface Coils



| Field 7 T | | ^1H 300 MHz | | | Prices are domestic US prices. Foreign prices are higher, plus taxes.* | | | |
|---|---------------|-----------------------------|-----------|--------------------|--|------------------------------|--------------|------------------|
| Part # SC (Surface coil), ^1H Freq, - diameter-, 1=Single tuned or 2=double-tuned, Nuclide, Detuning | | | | | | | | |
| Loop Detuning Type: T = Transmit-receive; P =Passive detuning; A = Active detuning | | | | | | | | |
| Nuclide | Loop Freq MHz | dia mm | Coil type | Loop Detuning Type | Std. Cable lgh, m | Loop 10-W pw90 μs | DSI Part # | Price Each, US\$ |
| 1H | 300.0 | 8 | loop | T | 1.23 | 8.5 | SC300-08-1HT | 1968 |
| 1H | 300.0 | 8 | loop | P | 1.23 | - | SC300-08-1HP | 2311 |
| 1H | 300.0 | 8 | loop | A | 1.23 | 8.5 | SC300-08-1HA | 2654 |
| 1H | 300.0 | 12 | loop | T | 1.23 | 14.1 | SC300-12-1HT | 2112 |
| 1H | 300.0 | 12 | loop | P | 1.23 | - | SC300-12-1HP | 2477 |
| 1H | 300.0 | 12 | loop | A | 1.23 | 14.1 | SC300-12-1HA | 2842 |
| 1H | 300.0 | 16 | loop | T | 1.23 | 22.5 | SC300-16-1HT | 2256 |
| 1H | 300.0 | 16 | loop | P | 1.23 | - | SC300-16-1HP | 2642 |
| 1H | 300.0 | 16 | loop | A | 1.23 | 22.5 | SC300-16-1HA | 3029 |
| 1H | 300.0 | 20 | loop | T | 1.23 | 36.3 | SC300-20-1HT | 2880 |
| 1H | 300.0 | 20 | loop | P | 1.23 | - | SC300-20-1HP | 3288 |
| 1H | 300.0 | 20 | loop | A | 1.23 | 36.3 | SC300-20-1HA | 3696 |
| 1H | 300.0 | 24 | loop | T | 1.23 | 56.0 | SC300-24-1HT | 3024 |
| 1H | 300.0 | 24 | loop | P | 1.23 | - | SC300-24-1HP | 3454 |
| 1H | 300.0 | 24 | loop | A | 1.23 | 56.0 | SC300-24-1HA | 3883 |
| 19F | 281.8 | 8 | loop | T | 1.31 | 8.9 | SC300-08-1FT | 2431 |
| 19F | 281.8 | 8 | loop | P | 1.31 | - | SC300-08-1FP | 2760 |
| 19F | 281.8 | 8 | loop | A | 1.31 | 8.9 | SC300-08-1FA | 3090 |
| 19F | 281.8 | 12 | loop | T | 1.31 | 14.6 | SC300-12-1FT | 2566 |
| 19F | 281.8 | 12 | loop | P | 1.31 | - | SC300-12-1FP | 2916 |
| 19F | 281.8 | 12 | loop | A | 1.31 | 14.6 | SC300-12-1FA | 3266 |
| 19F | 281.8 | 16 | loop | T | 1.31 | 23.1 | SC300-16-1FT | 2701 |
| 19F | 281.8 | 16 | loop | P | 1.31 | - | SC300-16-1FP | 3071 |
| 19F | 281.8 | 16 | loop | A | 1.31 | 23.1 | SC300-16-1FA | 3442 |
| 19F | 281.8 | 20 | loop | T | 1.31 | 36.2 | SC300-20-1FT | 2836 |
| 19F | 281.8 | 20 | loop | P | 1.31 | - | SC300-20-1FP | 3227 |
| 19F | 281.8 | 20 | loop | A | 1.31 | 36.2 | SC300-20-1FA | 3618 |
| 19F | 281.8 | 24 | loop | T | 1.31 | 56.6 | SC300-24-1FT | 3452 |
| 19F | 281.8 | 24 | loop | P | 1.31 | - | SC300-24-1FP | 3863 |
| 19F | 281.8 | 24 | loop | A | 1.31 | 56.6 | SC300-24-1FA | 4273 |
| 31P | 121.3 | 8 | loop | T | 1.01 | 16.2 | SC300-08-1PT | 1796 |
| 31P | 121.3 | 8 | loop | P | 1.01 | - | SC300-08-1PP | 2007 |
| 31P | 121.3 | 8 | loop | A | 1.01 | 16.2 | SC300-08-1PA | 2217 |
| 31P | 121.3 | 12 | loop | T | 1.01 | 25.3 | SC300-12-1PT | 1855 |
| 31P | 121.3 | 12 | loop | P | 1.01 | - | SC300-12-1PP | 2074 |
| 31P | 121.3 | 12 | loop | A | 1.01 | 25.3 | SC300-12-1PA | 2293 |



Doty Surface Coils

Field 7 T, 1H 300 MHz

| Nuclide | Loop Freq MHz | dia mm | Coil type | Loop Detuning Type | Std. Cable lgh, m | Loop 10-W pw90 μ s | DSI Part # | Price Each, US\$ |
|---------|---------------|--------|-----------|--------------------|-------------------|------------------------|--------------|------------------|
| 31P | 121.3 | 16 | loop | T | 1.01 | 36.0 | SC300-16-1PT | 1913 |
| 31P | 121.3 | 16 | loop | P | 1.01 | - | SC300-16-1PP | 2141 |
| 31P | 121.3 | 16 | loop | A | 1.01 | 36.0 | SC300-16-1PA | 2368 |
| 31P | 121.3 | 20 | loop | T | 1.01 | 49.9 | SC300-20-1PT | 1971 |
| 31P | 121.3 | 20 | loop | P | 1.01 | - | SC300-20-1PP | 2208 |
| 31P | 121.3 | 20 | loop | A | 1.01 | 49.9 | SC300-20-1PA | 2444 |
| 31P | 121.3 | 24 | loop | T | 1.01 | 68.9 | SC300-24-1PT | 2029 |
| 31P | 121.3 | 24 | loop | P | 1.01 | - | SC300-24-1PP | 2275 |
| 31P | 121.3 | 24 | loop | A | 1.01 | 68.9 | SC300-24-1PA | 2520 |
| 13C | 75.4 | 8 | loop | T | 1.63 | 22.9 | SC300-08-1CT | 1752 |
| 13C | 75.4 | 8 | loop | P | 1.63 | - | SC300-08-1CP | 1928 |
| 13C | 75.4 | 8 | loop | A | 1.63 | 22.9 | SC300-08-1CA | 2104 |
| 13C | 75.4 | 12 | loop | T | 1.63 | 35.3 | SC300-12-1CT | 1789 |
| 13C | 75.4 | 12 | loop | P | 1.63 | - | SC300-12-1CP | 1970 |
| 13C | 75.4 | 12 | loop | A | 1.63 | 35.3 | SC300-12-1CA | 2151 |
| 13C | 75.4 | 16 | loop | T | 1.63 | 48.9 | SC300-16-1CT | 1825 |
| 13C | 75.4 | 16 | loop | P | 1.63 | - | SC300-16-1CP | 2012 |
| 13C | 75.4 | 16 | loop | A | 1.63 | 48.9 | SC300-16-1CA | 2199 |
| 13C | 75.4 | 20 | loop | T | 1.63 | 64.9 | SC300-20-1CT | 1861 |
| 13C | 75.4 | 20 | loop | P | 1.63 | - | SC300-20-1CP | 2053 |
| 13C | 75.4 | 20 | loop | A | 1.63 | 64.9 | SC300-20-1CA | 2246 |
| 13C | 75.4 | 24 | loop | T | 1.63 | 84.9 | SC300-24-1CT | 1897 |
| 13C | 75.4 | 24 | loop | P | 1.63 | - | SC300-24-1CP | 2095 |
| 13C | 75.4 | 24 | loop | A | 1.63 | 84.9 | SC300-24-1CA | 2293 |
| | | | | | | | | |
| 19F/1H | 281.8 | 8 | Dual | T | 1.31 | 8.9 | SC300-08-2FT | 3076 |
| 19F/1H | 281.8 | 8 | Dual | P | 1.31 | - | SC300-08-2FP | 3406 |
| 19F/1H | 281.8 | 8 | Dual | A | 1.31 | 8.9 | SC300-08-2FA | 3736 |
| 19F/1H | 281.8 | 12 | Dual | T | 1.31 | 14.6 | SC300-12-2FT | 3415 |
| 19F/1H | 281.8 | 12 | Dual | P | 1.31 | - | SC300-12-2FP | 3765 |
| 19F/1H | 281.8 | 12 | Dual | A | 1.31 | 14.6 | SC300-12-2FA | 4115 |
| 19F/1H | 281.8 | 16 | Dual | T | 1.31 | 23.1 | SC300-16-2FT | 3753 |
| 19F/1H | 281.8 | 16 | Dual | P | 1.31 | - | SC300-16-2FP | 4123 |
| 19F/1H | 281.8 | 16 | Dual | A | 1.31 | 23.1 | SC300-16-2FA | 4493 |
| 19F/1H | 281.8 | 20 | Dual | T | 1.31 | 36.2 | SC300-20-2FT | 4091 |
| 19F/1H | 281.8 | 20 | Dual | P | 1.31 | - | SC300-20-2FP | 4482 |
| 19F/1H | 281.8 | 20 | Dual | A | 1.31 | 36.2 | SC300-20-2FA | 4872 |
| 19F/1H | 281.8 | 24 | Dual | T | 1.31 | 56.6 | SC300-24-2FT | 4909 |
| 19F/1H | 281.8 | 24 | Dual | P | 1.31 | - | SC300-24-2FP | 5320 |
| 19F/1H | 281.8 | 24 | Dual | A | 1.31 | 56.6 | SC300-24-2FA | 5731 |



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Field 7 T, 1H 300 MHz

| Nuclide | Loop Freq MHz | dia mm | Coil type | Loop Detuning Type | Std. Cable lgh, m | Loop 10-W pw90 μ s | DSI Part # | Price Each, US\$ |
|-----------------|---------------|--------|-----------|--------------------|-------------------|------------------------|--------------|------------------|
| 31P / 1H | 121.3 | 8 | Dual | T | 1.01 | 16.2 | SC300-08-2PT | 2922 |
| 31P / 1H | 121.3 | 8 | Dual | P | 1.01 | - | SC300-08-2PP | 3133 |
| 31P / 1H | 121.3 | 8 | Dual | A | 1.01 | 16.2 | SC300-08-2PA | 3343 |
| 31P / 1H | 121.3 | 12 | Dual | T | 1.01 | 25.3 | SC300-12-2PT | 3184 |
| 31P / 1H | 121.3 | 12 | Dual | P | 1.01 | - | SC300-12-2PP | 3402 |
| 31P / 1H | 121.3 | 12 | Dual | A | 1.01 | 25.3 | SC300-12-2PA | 3622 |
| 31P / 1H | 121.3 | 16 | Dual | T | 1.01 | 36.0 | SC300-16-2PT | 3445 |
| 31P / 1H | 121.3 | 16 | Dual | P | 1.01 | - | SC300-16-2PP | 3672 |
| 31P / 1H | 121.3 | 16 | Dual | A | 1.01 | 36.0 | SC300-16-2PA | 3900 |
| 31P / 1H | 121.3 | 20 | Dual | T | 1.01 | 49.9 | SC300-20-2PT | 3706 |
| 31P / 1H | 121.3 | 20 | Dual | P | 1.01 | - | SC300-20-2PP | 3942 |
| 31P / 1H | 121.3 | 20 | Dual | A | 1.01 | 49.9 | SC300-20-2PA | 4179 |
| 31P / 1H | 121.3 | 24 | Dual | T | 1.01 | 68.9 | SC300-24-2PT | 3967 |
| 31P / 1H | 121.3 | 24 | Dual | P | 1.01 | - | SC300-24-2PP | 4212 |
| 31P / 1H | 121.3 | 24 | Dual | A | 1.01 | 68.9 | SC300-24-2PA | 4457 |
| 13C / 1H | 75.4 | 8 | Dual | T | 1.63 | 22.9 | SC300-08-2CT | 2878 |
| 13C / 1H | 75.4 | 8 | Dual | P | 1.63 | - | SC300-08-2CP | 3054 |
| 13C / 1H | 75.4 | 8 | Dual | A | 1.63 | 22.9 | SC300-08-2CA | 3230 |
| 13C / 1H | 75.4 | 12 | Dual | T | 1.63 | 35.3 | SC300-12-2CT | 3117 |
| 13C / 1H | 75.4 | 12 | Dual | P | 1.63 | - | SC300-12-2CP | 3299 |
| 13C / 1H | 75.4 | 12 | Dual | A | 1.63 | 35.3 | SC300-12-2CA | 3480 |
| 13C / 1H | 75.4 | 16 | Dual | T | 1.63 | 48.9 | SC300-16-2CT | 3356 |
| 13C / 1H | 75.4 | 16 | Dual | P | 1.63 | - | SC300-16-2CP | 3543 |
| 13C / 1H | 75.4 | 16 | Dual | A | 1.63 | 48.9 | SC300-16-2CA | 3730 |
| 13C / 1H | 75.4 | 20 | Dual | T | 1.63 | 64.9 | SC300-20-2CT | 3595 |
| 13C / 1H | 75.4 | 20 | Dual | P | 1.63 | - | SC300-20-2CP | 3788 |
| 13C / 1H | 75.4 | 20 | Dual | A | 1.63 | 64.9 | SC300-20-2CA | 3980 |
| 13C / 1H | 75.4 | 24 | Dual | T | 1.63 | 84.9 | SC300-24-2CT | 3835 |
| 13C / 1H | 75.4 | 24 | Dual | P | 1.63 | - | SC300-24-2CP | 4032 |
| 13C / 1H | 75.4 | 24 | Dual | A | 1.63 | 84.9 | SC300-24-2CA | 4230 |

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