

Band-MasterATS®

Band Overview and Performance Matrix

Criteria	Standard	Slim Standard	Micro	Nano
Material	304 SS	304 SS	304 SS	304 SS
Part Numbers (Flat)	601-005 (9"), 601-040 (14"), 601-049 (18")	601-570 (9"), 601-572 (14")	601-024 (5"), 601-060 (8"), 601-064 (14")	601-500 (6"), 601-504 (9"), 601-508 (14")
Part Numbers (precoiled)	601-006 (9"), 601-041 (14"), 601-050 (18")	601-571 (9"), 601-573 (14")	601-025 (5"), 601-061 (8"), 601-065 (14")	601-501 (6"), 601-505 (9"), 601-509 (14")
Lengths (inch)	18", 14" and 9"	14" and 9"	14", 8" and 5"	14", 9" and 6"
Fits Diameters (inch)	.30" to 2.5"	.30" to 1.8"	.15" to 1.8"	.08" to 1.8"
Width (inch)	.24"	.24"	.12"	.075"
Thickness (Inch)	.02"	.01"	.015"	.01"
Weight before installation (grams)	14" is 9.06g	14" is 4.46g	8" is 1.76g	9" is .84g
Tooling Information				
Hand Tool Part Number	601-100	601-109	601-101	601-108
Pneumatic Tool Part Number	601-106	601-110	601-107	601-118
Recommended Tool Setting	150 ±5 lbs.	100 ± 3 lbs.	80 ±5 lbs.	50 ±3 lbs.
Performance Data				
Termination Resistance (mΩ)	0.082	0.083	0.087	0.155
Termination Construction	Ni/Al backshell Size 25, Tin Copper Braid	Ni/Al backshell Size 25, Tin Copper Braid	Ni/Al backshell Size 15, Tin Copper Braid	Ni/Al backshell Size 16, Tin Copper Braid
Avg. Resistance Across Band (mΩ)	0.84	0.99	0.763	1.227
Avg. Single Junction Resistance (mΩ)	0.42	0.532	0.382	0.613
Cable Pull Out (pounds)	160 lbs	150 lbs	80 lbs	100 lbs
Clamping Tension (pounds)	100 to 180 lbs	50 to 100 lbs	50 to 85 lbs	20 to 50 lbs
Random Vibration	46grms at +175°C 8 hrs each axis, EIA-364-28E cond. V, letter K	46grms at +175°C 8 hrs each axis, EIA-364-28E cond. V, letter K	46grms at +175°C 8 hrs each axis, EIA-364-28E cond. V, letter K	46grms at +175°C 8 hrs each axis, EIA-364-28E cond. V, letter K
Thermal Shock	-65°C to +200°C 5 cycles	-65°C to +200°C 5 cycles	-65°C to +200°C 5 cycles	-65°C to +200°C 5 cycles
Temperature Life	1,000 hrs at +200°C	1,000 hrs at +200°C	1,000 hrs at +200°C	1,000 hrs at +200°C
Associated Test Report (Available Upon Request)	Test Report GT-14-75	Test Report GT-14-75	Test Report NTS 978-7382	Test Report NTS PR021798
Mil-Spec (85049)	Yes	No	Yes	No