

# Coaxial Terminations

Type SMA, SSMA, 2.4 mm, 7 mm, MCX, MMCX

## Features

- Connectors per MIL-PRF-39012
- Constructed per all applicable MIL-Specs
- Low VSWR
- DC up to 50 GHz
- Small size
- Lightweight
- Operating temperature -55°C to +125°C
- 50 ohms impedance
- RF leakage 90 dB min
- Snap on/off SMA type available - MDC1075Q
- 500 cycle durability
- Most available with bead chain - (Suffix "-C")
- Delivery from stock

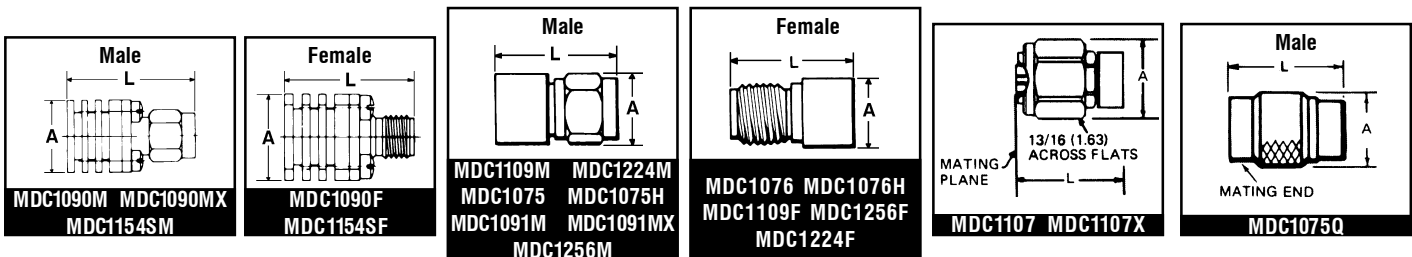
## MIDISCO

high precision coaxial terminations were designed for broad frequency coverage at reasonable cost. Each model meets the applicable interface parameters of MIL-PRF-39012. A sufficient selection is offered to permit the user to choose the correct model for the application considering VSWR, power and size versus cost.

The "Q" model is actually a snap-on SMA type termination for laboratory or system use, that will snap on to any SMA female connector with excellent detent characteristics. The MDC1075Q-C (with bead chain) is very useful on front panels where it must be removed repeatedly. The quick-disconnect SMA termination finds great use in laboratory testing including phase matching.

2.9 mm, SMP\*, F Series, and 75 Ω Type N terminations are also available. Higher power terminations are available. The models shown here are in stock.

\*SMP connectors mate with the GPO series (Trademark of Corning Gilbert Corporation)



Model Number	Connector Type (Note 1)	Power @ 25°C		VSWR (max) @ Frequency (GHz)						L (in) (max)	A (in) (max)	Material & Finish	Weight (oz)	
		Avg. (W)	Peak (kW)	DC-4	4-8	8-12	12-18	18-26	26 - Above					
MDC1075	SMA Male	1	1.0	1.05	1.10	1.15	1.20	1.35		0.55	0.31 dia.	Stainless Steel Passivated	0.12	
MDC1075H		2	1.5				1.25			0.65			0.15	
MDC1091MX		1	1.0	1.03	1.04	1.08	1.25			0.33			0.08	
MDC1091M				1.05	1.06	1.09				0.35			0.09	
MDC1090M		5	2.0	1.20	1.30	1.40				0.90			0.50 sq.	0.90
MDC1090MX			4.0	1.15		1.25	1.25			1.35			0.75 dia.	1.10
MDC1256M			2.0	1.10	1.15	1.20	1.35			1.50			0.75 dia.	0.43
MDC1154SM		15	2.0	1.10	1.15	1.20	1.35			2.00			1.25 dia.	0.90
MDC1075Q	SMA Male Snap-On	1		1.08	1.13	1.17	1.23		0.55	0.38 dia.	Beryllium Copper Gold Plated	0.13		
MDC1076	SMA Female	1	1.0	1.05	1.10	1.15	1.20	1.35		0.52	0.31 dia.	Stainless Steel Passivated	0.08	
MDC1076H		2		1.08	1.12	1.20	1.30			0.53	0.28 hex		0.06	
MDC1090F		5	2.0	1.20	1.30	1.40				0.76	0.50 sq.	Stainless Steel Passivated Coupling Nut Black Anodized Aluminum Body	0.89	
MDC1090FX			4.0	1.15	1.15	1.25	1.25			0.90	0.75 dia.		1.09	
MDC1256F										1.30	0.50 dia.		0.43	
MDC1154SF		15	2.0	1.10	1.15	1.20	1.35			1.90	1.25 dia.		0.90	
MDC1109M	SSMA Male	0.5	1.0	1.05	1.10	1.12	1.15	1.35	1.45 to 30 GHz	0.61	0.25 hex	Stainless Steel Passivated	0.07	
MDC1109F	SSMA Female									0.575	0.31 dia.		0.06	
MDC1224M	2.4 mm Male	0.5	1.0	1.05	1.10	1.12	1.15	1.35	1.60 to 50 GHz	0.75	0.31 hex	Stainless Steel Coupling Nut Tellurium Copper Nickel Plated Body	0.09	
MDC1224F	2.4 mm Female									0.75	0.31 dia.		0.08	
MDC1107	7 mm (Note 2)	2	1.0	1.05	1.10	1.10	1.15			1.40	0.82 dia.	Stainless Steel Passivated	1.50	
MDC1107X				1.04	1.05	1.07	1.08							

Note 1: MCX & MMCX terminations available. MCX male, female = MDC1001MM, MDC1001MF. MMCX male, female = MDC1001MMM, MDC1001MMF

Note 2: VSWR for MDC1107X is based on the following:  $VSWR = 1.03 + 0.0003 \times F$  (GHz).

Other finishes are available, please consult MIDISCO.

Engagement force for MDC1075Q or MDC1075Q-C is 10lbs. axial.