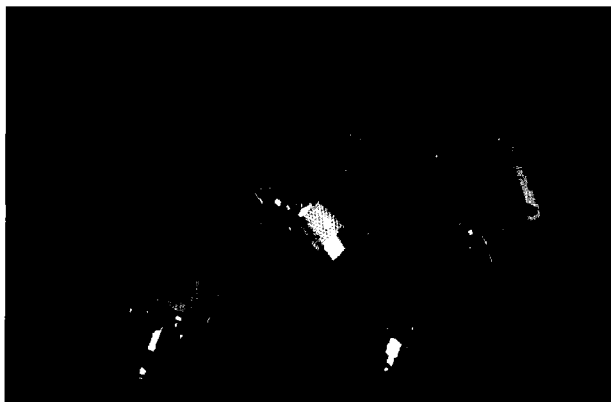


HIGH POWER COAXIAL TERMINATIONS

CONDUCTION COOLED



The 3000 Series High Power Coaxial Terminations are Conduction Cooled Loads that require mounting to an external heat sink.

Meets applicable portions of MIL-E-5400 and MIL-R-55342.

Power levels range from 15 to 500 watts.

Nominal Impedance of 50 ohms.

Transmission line matching techniques provide excellent Frequency Range and VSWR.

Standard connectors are SMA, TNC and TYPE N in female (jack) or male (plug) styles.

All connectors conform to MIL-STD-39012 and MIL-STD-348.

Maximum rated mounting flange temperature is +85°C.

Specifications

MATERIAL AND PLATING

CONNECTORS:

BODIES: PASSIVATED STAINLESS STEEL CONTACTS: GOLD PLATED BERYLLIUM COPPER

HOUSING:
NICKEL PLATED ALUMINUM

MECHANICAL

CONNECTORS:

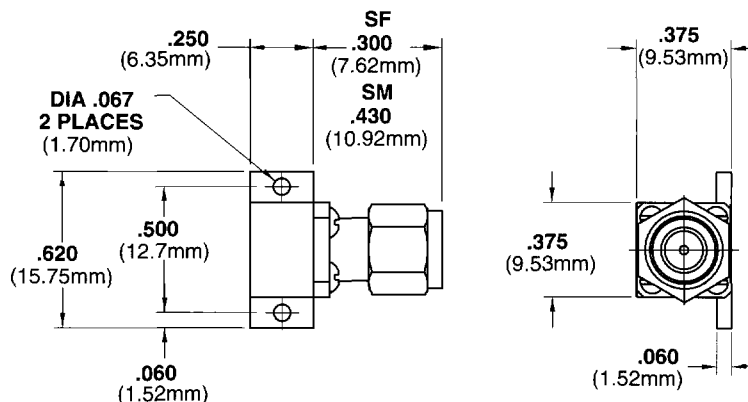
RECOMMENDED MATING TORQUE: SMA: 7-10 IN/LBS, TNC & TYPE N: 12-15 IN/LBS

MOUNTING NOTES

3000 Series High Power Coaxial Terminations must be mounted to an adequate external heat sink for reliable operation. The application of thermally conductive grease, epoxy, or elastomer is recommended to provide intimate contact between the 3000 Series Termination and its heat sink.

HIGH POWER COAXIAL TERMINATIONS

TYPE - SMA



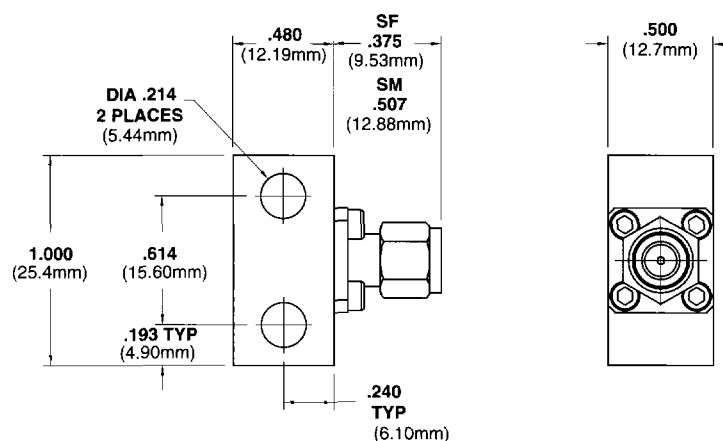
PART NUMBER

12-3001 SF
12-3001 SM

PERFORMANCE SPECIFICATIONS

Average Power - 15 Watts
Frequency - DC to 18.0 GHz
VSWR (Max.) - 1.20:1

TYPE - SMA



PART NUMBER

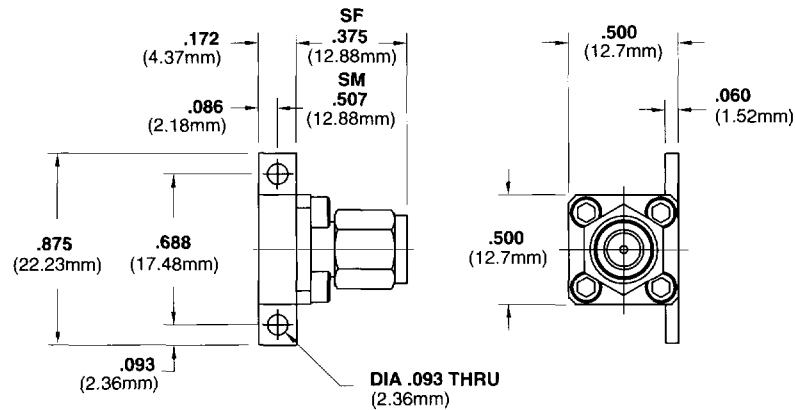
12-3002 SF
12-3002 SM

PERFORMANCE SPECIFICATIONS

Average Power - 15 Watts
Frequency - DC to 18.0 GHz
VSWR (Max.) - 1.10 DC-4
1.15 4-8
1.20 8-12.4
1.30 12.4-18

HIGH POWER COAXIAL TERMINATIONS

TYPE - SMA



PART NUMBER

12-3022 SF
12-3022 SM

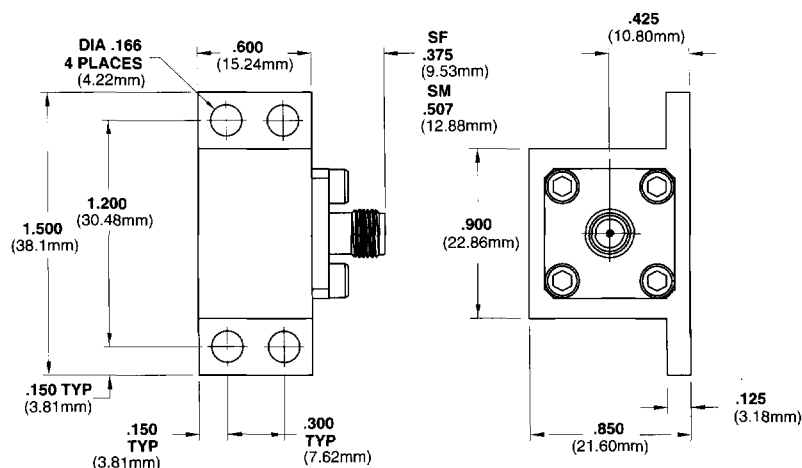
NEW

PERFORMANCE SPECIFICATIONS

Average Power - 25 Watts
Frequency - DC to 18.0 GHz
VSWR (Max.) - DC - 18.0 GHz: 1.25:1

HIGH POWER COAXIAL TERMINATIONS

TYPE - SMA



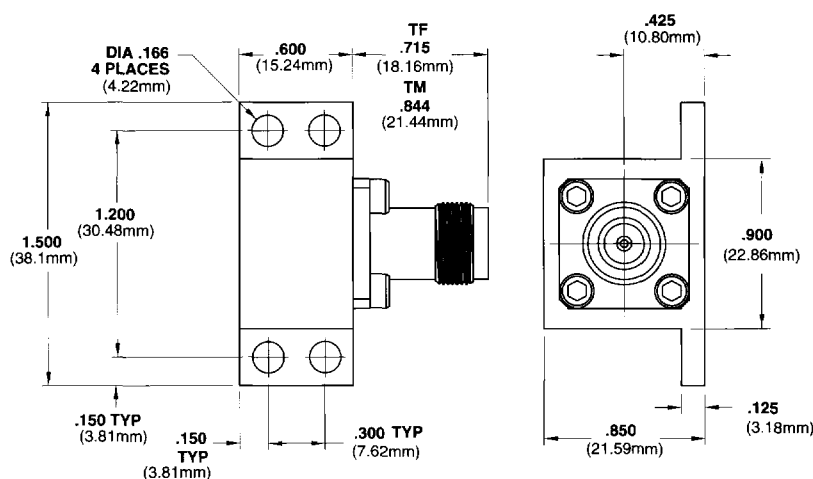
PART NUMBER

12-3003 SF
12-3003 SM

PERFORMANCE SPECIFICATIONS

Average Power - 30 Watts
Frequency - DC to 18.0 GHz
VSWR (Max.) - 1.15:1 DC-4
1.20:1 4-8
1.35:1 8-18

TYPE - TNC



PART NUMBER

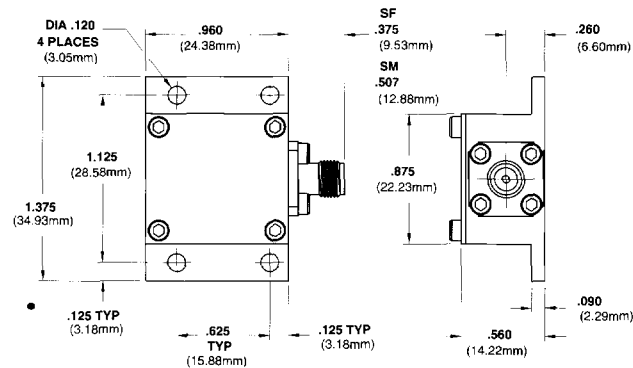
12-3004 TF
12-3004 TM

PERFORMANCE SPECIFICATIONS

Average Power - 30 Watts
Frequency - DC to 12.4 GHz
VSWR (Max.) - 1.15:1 DC-4
1.20:1 4-8
1.35:1 8-12.4

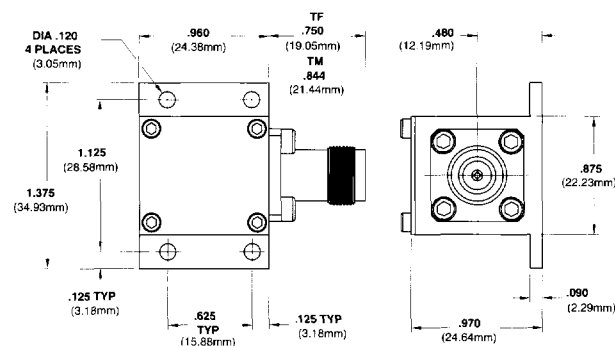
HIGH POWER COAXIAL TERMINATIONS

TYPE - SMA



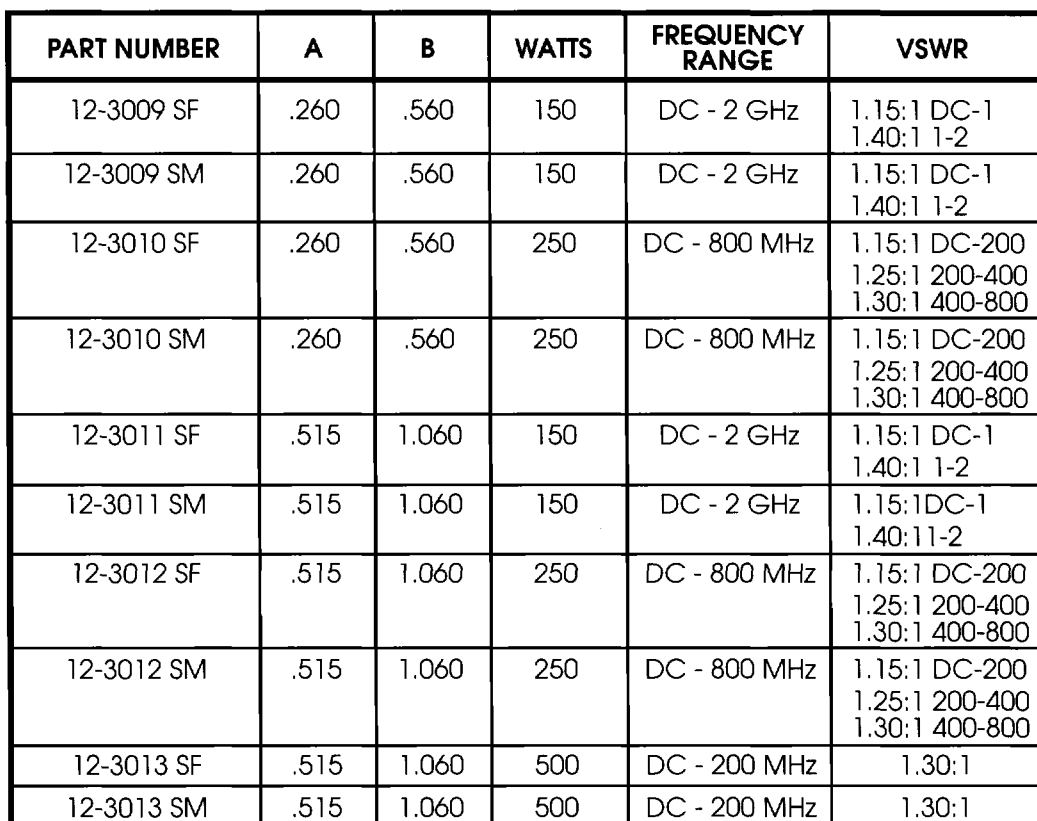
PART NUMBER	WATTS	FREQUENCY RANGE	VSWR
12-3005 SF	50	DC - 6.0 GHz	1.25:1 DC-3 1.35:1 3-6
12-3005 SM	50	DC - 6.0 GHz	1.25:1 DC-3 1.35:1 3-6
12-3007 SF	100	DC - 3.0 GHz	1.25:1
12-3007 SM	100	DC - 3.0 GHz	1.25:1

TYPE - TNC



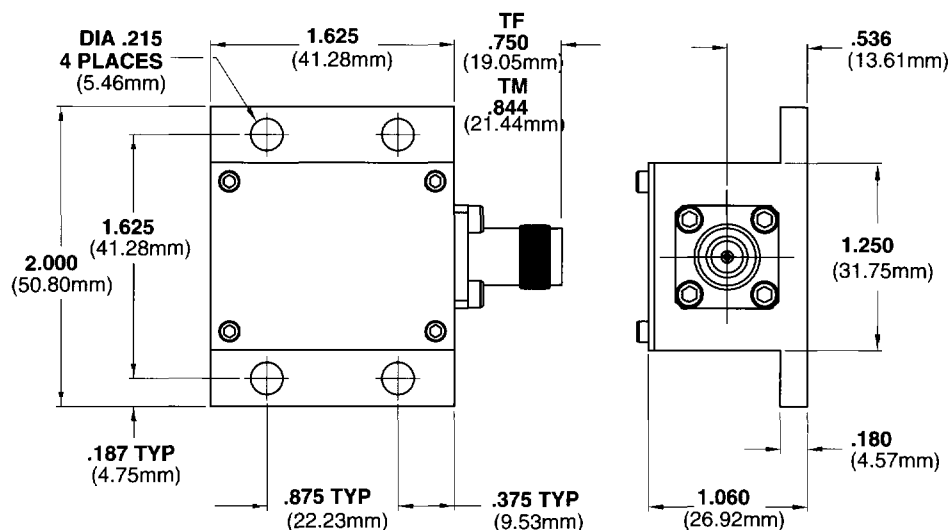
PART NUMBER	WATTS	FREQUENCY	VSWR
12-3006 TF	50	DC - 6.0 GHz	1.25:1 DC-3 1.35:1 3-6
12-3006 TM	50	DC - 6.0 GHz	1.25:1 DC-3 1.35:1 3-6
12-3008 TF	100	DC - 3.0 GHz	1.25:1
12-3008 TM	100	DC - 3.0 GHz	1.25:1

TERMINATIONS



HIGH POWER COAXIAL TERMINATIONS

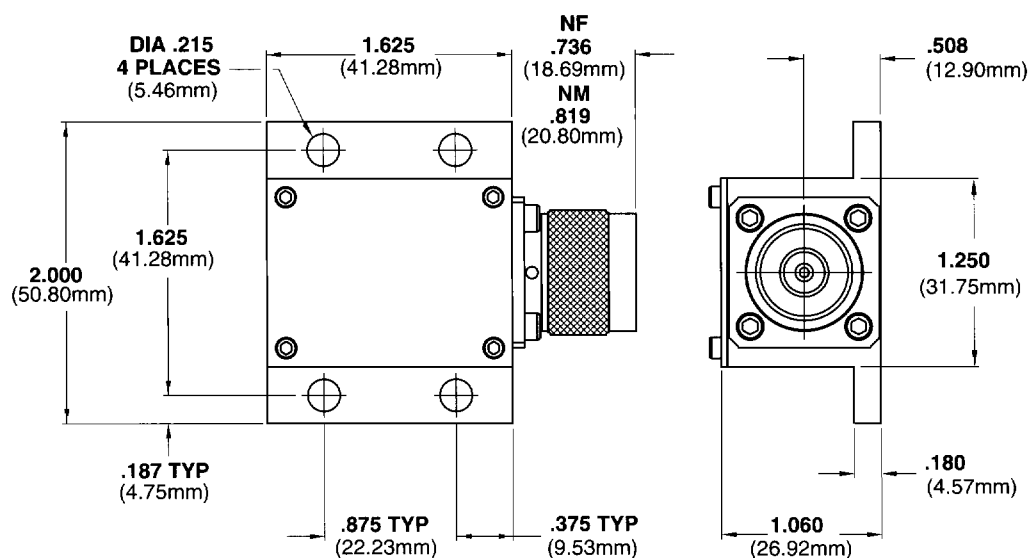
TYPE - TNC



PART NUMBER	WATTS	FREQUENCY RANGE	VSWR
12-3014 TF	150	DC - 2 GHz	1.15:1 DC-1 1.40:1 1-2
12-3014 TM	150	DC - 2 GHz	1.15:1 DC-1 1.40:1 1-2
12-3015 TF	250	DC - 800 MHz	1.15:1 DC-200 1.25:1 200-400 1.30:1 400-800
12-3015 TM	250	DC - 800 MHz	1.15:1 DC-200 1.25:1 200-400 1.30:1 400-800
12-3016 TF	500	DC - 200 MHz	1.30:1
12-3016 TM	500	DC - 200 MHz	1.30:1

HIGH POWER COAXIAL TERMINATIONS

TYPE - N



TERMINATIONS

PART NUMBER	WATTS	FREQUENCY RANGE	VSWR
12-3017 NF	150	DC - 2 GHz	1.15:1 DC-1 1.40:1 1-2
12-3017 NM	150	DC - 2 GHz	1.15:1 DC-1 1.40:1 1-2
12-3018 NF	250	DC - 800 MHz	1.15:1 DC-200 1.25:1 200-400 1.30:1 400-800
12-3018 NM	250	DC - 800 MHz	1.15:1 DC-200 1.25:1 200-400 1.30:1 400-800
12-3019 NF	500	DC - 200 MHz	1.30:1
12-3019 NM	500	DC - 200 MHz	1.30:1