

SPECIFICATONS

ELECTRICAL

FREQUENCY RANGE	4682-6418-dB	DC-18GHz		
	4682-6412-dB	DC-12.4 GHz		
	4682-6406-dB	DC-6 GHz		
ATTENUATION ACCURACY	(GHz)	DC-4	4-12.4	12.4-18
0-6 dB		± 0.30	±0.50	±1.00
7-20 dB		± 0.50	±0.75	±1.25
21-30 dB		± 0.75	±1.00	±2.00
VSWR (MAX. for PN Freq. Range)				
DC - 6 GHz		1.25:1		
6 - 12.4 GHz		1.35:1		
12.4 - 18 GHz		1.55:1		
POWER (AVG):		2 WATTS		
	DERATE FROM 25°C to 10% @ 125°			
POWER (PEAK):		500 WATTS		
	At 5µ Second Pulse Width & 0.05% Duty Cycle			
IMPEDANCE		50 OHMS		
OPERATING TEMP RANGE		-65°C TO +125°C		

MECHANICAL

OPERATING TEMP RANGE _____ -65 TO +125°

Materials

Outer Conductor	-Brass, Tri-Metal Alloy (White Bronze) Plated.
Center Conductor	-Beryllium Copper, Gold Plated
Dielectric	-Teflon per ASTM D1710.
Resistor	- Thin Film Hybrid

CONNECTORS ARE TO QMA INTERFACE AND MATE WITH ALL QMA MANUFACTURERS' STANDARD INTERFACES

Ordering Information:

Examples:

4682-6418-10 = 10 dB, 18 GHz
4682-6412-01 = 1 dB, 12.4 GHz
4682-6406-12 = 12 dB, 6 GHz

Standard configuration is Male to Female SMA
for Male to Male and Female to Female a larger size is available - contact factory for part number guidance.

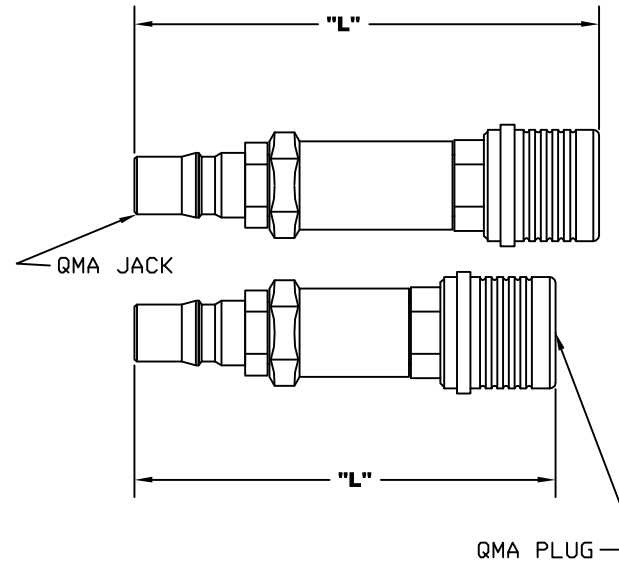
IP68 version is available - contact factory.
Designs up to 10 Watts and Lower Frequencies available.

PRODUCTION
RELEASE

NOTE:
THIS DRAWING INCORPORATES
THIRD ANGLE PROJECTION
INTERPRET IN ACCORDANCE WITH ASME Y14.5-1993


REVISIONS

REV	DESCRIPTION	APPROVED
-1	Corrected Typographical Data Errors	09/07/2011 D. Saunders



"L" TABLE			
dB VALUE	4682-64XX MALE-FEMALE	4681-64XX MALE-MALE	4680-64XX FEMALE-FEMALE
0-12	1.43" [36.3mm]	1.47" [37.3mm]	1.39" [35.3mm]
20, 30 & 40	1.58" [40.1mm]	1.62" [41.2mm]	1.54" [39.1mm]

DRAWING PRACTICES PER ASME Y14.5 MIL-STD-100 & 1000			UNLESS OTHERWISE SPECIFIED TOLERANCES IN:			DRAWN D. SAUNDERS 01/14/2010		DATE 01/14/2010	
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/ AFTER PROCESSING			DECIMALS	INCH	MM	CHECKED		DATE	
SURFACE ROUGHNESS			.XX	.05"	[1.3]	ENG. D. SAUNDERS		01/14/2010	
FINISH			.XXX	.030"	[.76]	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF XMA CORP. / OMNI SPECTRA AND SHALL NOT BE REPRODUCED, COPIED, MODIFIED, RE-MADE OR IN PART, AS A BASIS FOR THE DESIGN, MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS WRITTEN PERMISSION OF XMA CORP., CUSTOMERS AND VENDORS MAY COPY FOR INTERNAL REVIEW USE AS NEEDED			
SEE NOTES			.XXXX	.015	[.37]				
MATERIAL			ANGLES						
SEE NOTES			UNLESS OTHERWISE NOTED: DIA IS CONCENTRIC <.003 T.I.R.						

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 Powered by:			
XMA Corp. 150 Dow St. Manchester, NH 03045 (603) 222-2256 fax 222-2259			
TITLE QMA ATTENUATORS 2 WATT, VARIOUS FREQS.			
SIZE	CAGE CODE	DWG NO.	
C	3HT76	468X-64XX-DB	
SCALE	3:1	PLATING AREA GFEA CO. REF. BUCHER	XXX SHEET 1 OF 1