

Stripline Flange Series

Flange Termination



Our Stripline flange terminations are ideal for coaxial isolator applications. Many designs feature a solderless construction. The resistive rod element is staked into the case, forming a highly reliable compression fit. The result is a superior electrical performance which is unaffected by subsequent high temperature manufacturing processes. Many of these products are space-qualified and can be tested for high reliability applications.

Note: Part numbers beginning with "8" offer the solderless construction.

Specifications

Impedance	50 Ohms +/-5%
Connections	Type N, SMA, SSMA, TNC
Frequency Range	DC to 26.6 GHz
Power Rating	100% @ 100°C
Derates to	0% @ 150 °C
Operating Temperature	-55 °C to 150 °C
Substrates	BeO or Alumina
Resistive Element	Thin Film
Body	Aluminum with Chromate Finish
Tab or Socket Contact	Beryllium Copper, Gold Plated based on MIL-G-45204
Slot Contact	Brass, Gold Plated per SAE AMS 2422

Part Numbering Code

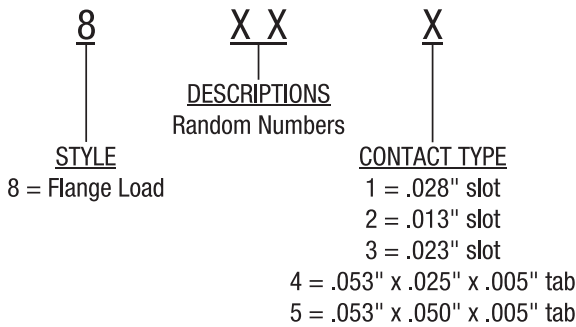


Figure 1 - 843X Series

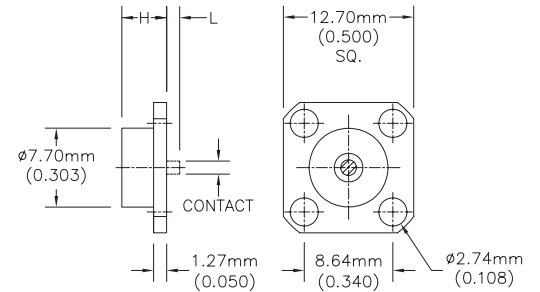


Figure 2 - 811X Series

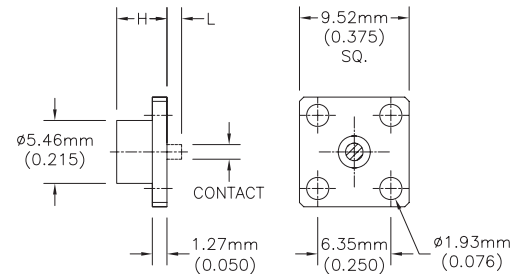
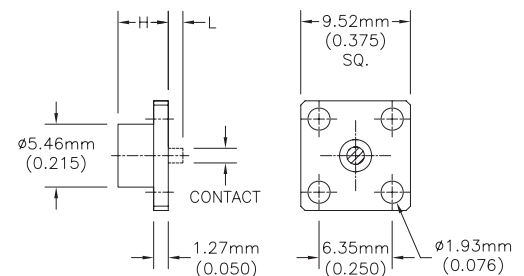


Figure 3 - 846X Series



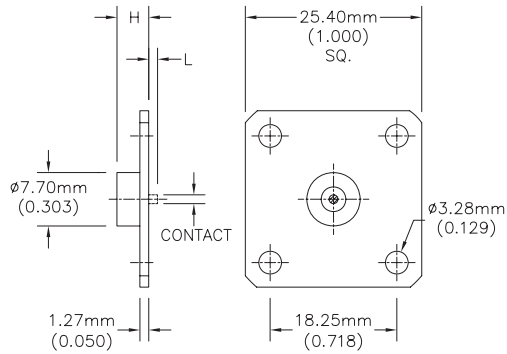
For contact information please refer to Part Numbering Code for Contact Types.



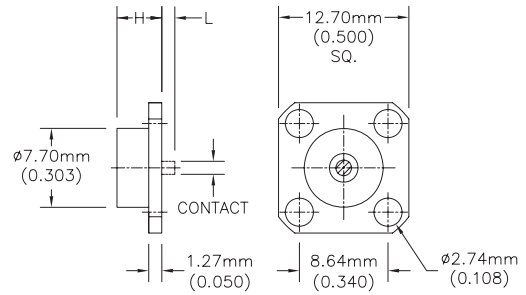
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Mechanical Outlines

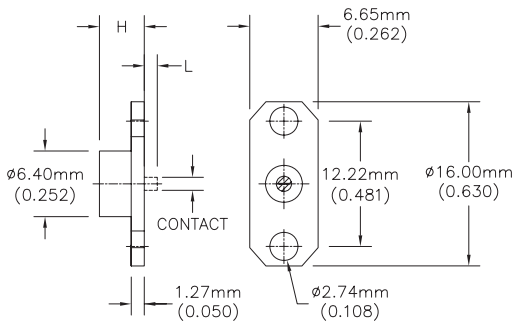
**Figure 4 -
841X and 842X Series**



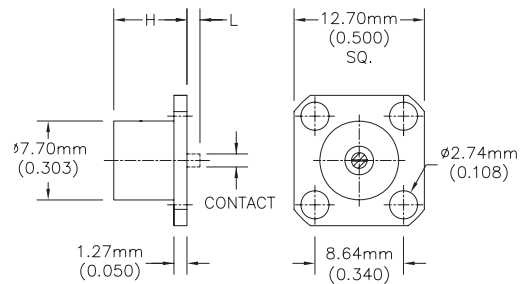
**Figure 5 -
812X Series**



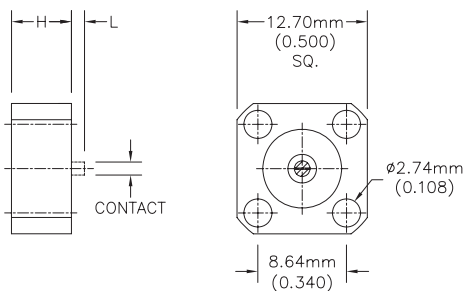
**Figure 6 -
823X and 827X Series**



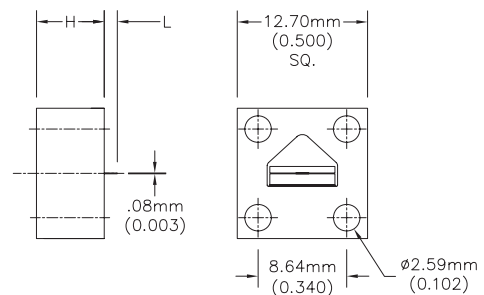
**Figure 7 -
8482 and 8485 Series**



**Figure 8 -
8487 and 8488 Series**



**Figure 9 -
8750 Series**



For contact information please refer to Part Numbering Code for Contact Types.

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Product Information



Power	Freq	VSWR	Substrate	Component Diameter		Contact Height Max		Contact Thickness		Hole Diameter		Mounting	Part Series #	Figure #
Watt	GHz	Max:1		mm [inches]										
1	26.5	1.20	BeO	9.52	[0.375]	4.37	[0.172]	1.35	[0.053]	1.93	[0.076]	4-hole	811*	Fig 2
1	26.5	1.20	BeO	12.7	[0.500]	4.37	[0.172]	1.35	[0.053]	2.74	[0.108]	4-hole	812*	Fig 5
1	18.0	1.30	Alumina	16.00 L x 5.72 W	[0.63 L x 0.225 W]	4.37	[0.172]	1.35	[0.053]	2.74	[0.108]	2-hole	823*	Fig 6
1	12.0	1.20	Alumina	25.4	[1.000]	4.57	[0.180]	1.35	[0.053]	3.28	[0.129]	4-hole	841*	Fig 4
1	18.0	1.30	Alumina	12.7	[0.500]	4.37	[0.172]	1.35	[0.053]	2.74	[0.108]	4-hole	843*	Fig 1
1	18.0	1.30	Alumina	9.52	[0.375]	4.37	[0.172]	1.35	[0.053]	1.93	[0.076]	4-hole	846*	Fig 3
10	18.0	1.40	BeO	16.00 L x 6.65 W	[0.63 L x 0.262 W]	4.37	[0.172]	1.35	[0.053]	2.74	[0.108]	2-hole	827*	Fig 6
10	12.0	1.25	BeO	25.4	[1.000]	4.57	[0.180]	1.35	[0.053]	3.28	[0.129]	4-hole	842*	Fig 4
25	14.5	1.50	BeO	12.7	[0.500]	7.14	[0.281]	1.35	[0.053]	2.74	[0.108]	4-hole	8482	Fig 7
25	14.5	1.50	BeO	12.7	[0.500]	7.14	[0.281]	1.35	[0.053]	2.74	[0.108]	4-hole	8485	Fig 7
25	14.5	1.50	BeO	12.7	[0.500]	7.14	[0.230]	1.35	[0.053]	2.74	[0.108]	4-hole	8487	Fig 8
25	14.5	1.50	BeO	12.7	[0.500]	7.14	[0.230]	1.35	[0.053]	2.74	[0.108]	4-hole	8488	Fig 8
75	5.0	1.50	BeO	12.7	[0.500]	6.35	[0.260]	0.08	[0.003]	2.59	[0.102]	4-hole	875*	Fig 9

Peak power is typically 10 times the max power rating with a 1% duty cycle and 10 microsecond pulse width.

Please call for your specific application.

“***” except where L and W are noted

“*” is a place holder. See part number configurations to complete the part number

- X = 1 .028 Slot
- 2 .013 Slot
- 3 .023 Slot
- 4 .025 Wide Tab
- 5 .050 Wide Tab