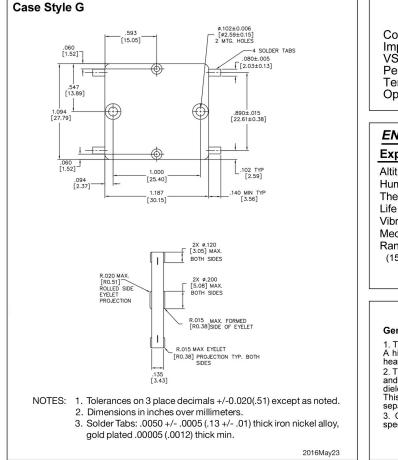
QJE-2-.312G G-90° Power Dividers/Combiners

TECHNICAL FEATURE

FEATURES

- 225 to 400 MHz
- Octave Bandwidths
- High Power
- Ruggedized
- Caseless Filmbrid Stripline Package

PRINCIPAL SPECIFICATIONS										
Model Number	Frequency Range, MHz	Isola di Min.		Insertion Loss, dB, Max.	Amplitude Balance, dB, Max.	Phase Tolerance	CW Power, W, Max.	Weight, oz. (g) Nom.	Case Style	
QJE-2312GG	225 - 400	20	25	0.30	0.9	90° ± 3°	° 400	0.40	(11)	G



GENERAL SPECIFICATIONS

Coupling: Impedance: VSWR: Peak Power: Terminals: Operating Temperature:	 3 dB nom. 50 Ω nom. 1.1 typ., 1.25 max. 1 kW max. 4 Solder Tabs 55° to ±85°C
Operating Temperature:	– 55° to +85°C

ENVIRONMENTAL QUALIFICATIONS						
Exposure	Method	Test Condition				
Altitude*	105C	В				
Humidity	106D					
Thermal Shock	107D	A				
Life Test	108	D				
Vibration	201A	_				
Mechanical Shock	213B	A				
Random Vibration	214	11C				
(15 minutes per axis)						
* Tab interfaces must be sealed by customer						

if device is to be used at rated peak power.

General Notes:

 The QJE-2-.312GG is ideal for high power applications. A high thermal conductivity dielectric is used to disperse heat insuring high performance and reliability.
 The FilmbridTM Sandwich Package is sealed under heat and pressure insuring the printed substrates and low-loss dielectric laminates are permanently bonded together. This minimizes the effects of dirt and moisture and prevents separation under shock and vibration.

3. Custom units are readily available to accommodate special bandwidth and frequency requirements.

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