

# Modules

## Specifications and Ordering Information

### Technical Characteristics

	H	K	P	T	V	V COAX
<b>Current Rating</b>	1 A	4 A	4 A	9 A	25 A <sup>(1)</sup>	—
<b>Contact Resistance</b> (mΩ)	< 8.0	< 5.0	< 5.0	< 2.5	< 1.5	< 8.0 / < 2.0 <sup>(2)</sup>
<b>Nominal Impedance</b>	—					50 Ω
<b>Frequency Range</b>	—					DC 3 GHz to DC 18 GHz <sup>(3)</sup>
<b>Extraction Force</b> (oz.) (per contact)	0.3 to 1.6*	0.5 to 2.0	0.5 to 2.0	0.7 to 5.0	3.0 to 17.0	1.5 to 6.0 (3.0 average)
<b>Life Cycle</b>	> 100,000 (contact)					> 25,000 (connector)
<b>Breakdown Voltage</b> (V RMS)	> 750	> 1,400	> 1,400	> 2,000	> 1,600	—
<b>DWV</b> (V RMS)	> 500	> 1,050	> 1,050	> 1,500	1,200	500
<b>VSWR</b>	—					< 1:20:1 (DC to 3 GHz) < 1:50:1 (3 to 18 GHz)
<b>RF Transmission Loss</b>	—					0.50 dB at 18 GHz
<b>Insulation Resistance</b> (MΩ at 500 VDC)	10 <sup>3</sup>	10 <sup>5</sup>	10 <sup>3</sup>	10 <sup>5</sup>	10 <sup>4</sup>	> 5,000
<b>Temperature Rating</b> (°C)	-55 to 125	-55 to 105	-55 to 105	-55 to 105	-55 to 105	-55 to 125

### Materials

<b>Pin</b>	Phosphor bronze		Brass			
<b>Socket</b>	Beryllium copper wires and brass body					
<b>Insulator</b>	Nylon, 25% glass	Glass filled nylon	Glass filled nylon	Glass filled nylon	Nylon	PTFE flouorocarbon

### Contact Plating

<b>Pin</b>	10/50 μin gold over nickel			50 μin gold over nickel		
<b>Socket Mating Surface</b>	50 μin gold over nickel					
<b>Socket Termination</b>	Gold flash over nickel					
<b>Socket Body</b> (optional)	—	Nickel over copper flash	—	—	—	—

**Notes:** 1. 25 A (free air), 17 A (bundled) 2. Inner contact: < 8 mΩ; outer contact: < 2 mΩ 3. DC 3 GHz: RH316; DC 18 GHz: GH405  
Dimensions are in inches [mm].