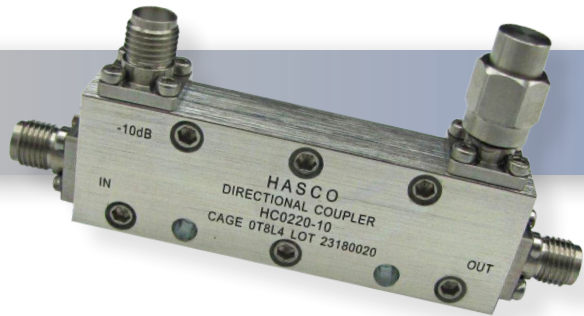


Part No:

# HC0220-10



## 10 dB SMA Female Directional Coupler - 2 to 20 GHz

### Electrical

• Frequency Range	2 - 20 GHz
• VSWR	1.35:1 (2-18 GHz), 1.55:1 (18-20 GHz) Max
• Insertion Loss <sup>1</sup>	1.4 dB (2-18 GHz), 1.5 dB (18-20 GHz) Max
• Coupling	10 ± 1 dB Max
• Flatness	± 0.85 dB Max
• Directivity	15 dB (2-18 GHz), 12 dB (18-20 GHz) Min
• Power <sup>2</sup>	50 W (CW), 3000 W (Peak)
• Temperature Range	-55°C to 85°C (Operating), -55°C to 100°C (Storage)

### Material

• Connectors	Passivated Stainless Steel
• Finish	Alloy Iridite
• Environmental	Per MIL-STD-202F, Method 107D, 204D, 213B

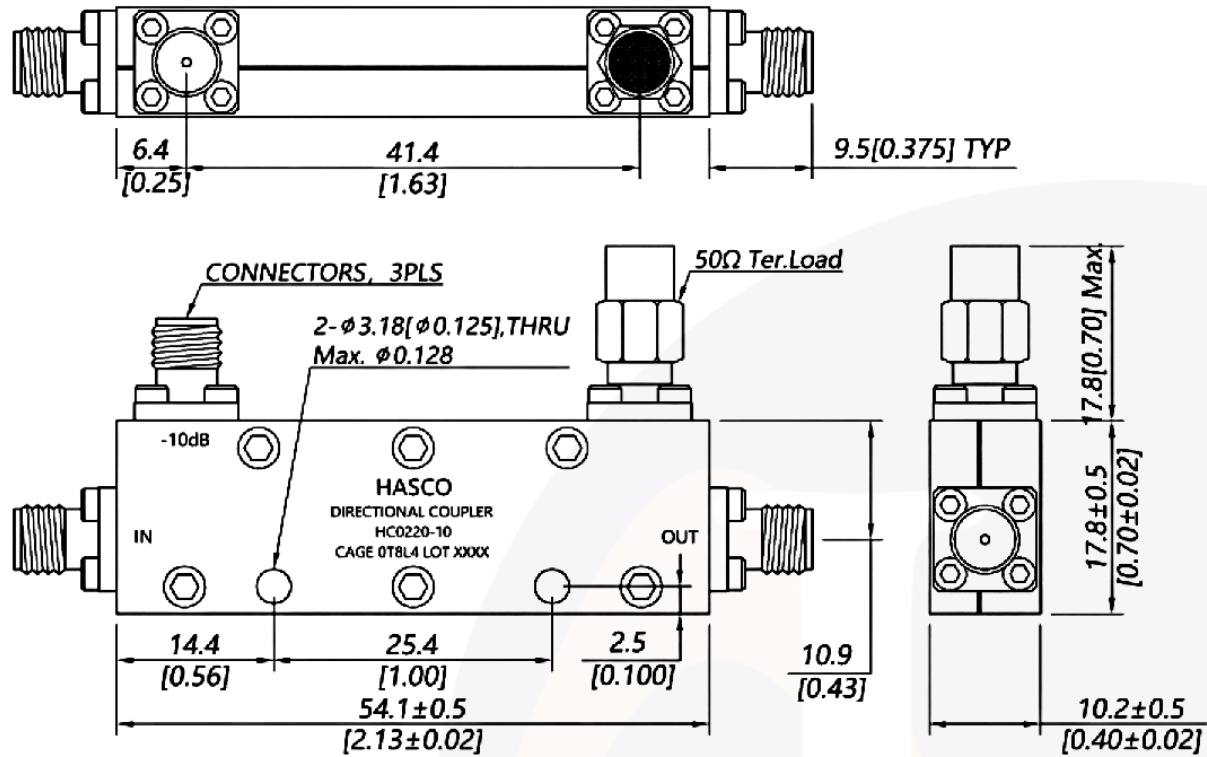
### Notes

1. Theoretical 0.46 dB included
2. Power rating is for load VSWR better than 1.20:1

The HASCO **HC0220-10** is an SMA Female Directional Coupler that operates from 2 to 20 GHz from HASCO. This Coupler has low insertion loss at 1.5 dB Max and flatness rating of 0.85 dB Max.

HASCO's line of broadband directional couplers and power dividers operate from 2 GHz to 18 GHz and higher. They are designed to meet multi-octave requirements that are common in RF labs. Our broadband couplers and dividers are equipped with SMA connectors and handle power levels to 50 Watts. The directional coupler designs come in 10 dB to 20 dB coupling values, while the power divider design is a 2-way power divider.

10 dB SMA Female Directional Coupler | 2 - 20 GHz | Outline Drawing



LTR	DESCRIPTION	DATE	APPR.	DRAWN BY: NS	REVIEWED BY: JS
-	RELEASE	9/11	TC		APPROVED BY: TC
A	OUTLINE UPDATE	10/23	TC	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF HASCO COMPONENTS AND SHALL NOT BE REPRODUCED, COPIED NOR USED - IN WHOLE OR IN PART - AS THE BASIS FOR THE MANUFACTURE OR SALE OF OTHER ITEMS WITHOUT THE EXPRESS, WRITTEN PERMISSION OF HASCO COMPONENTS.	
B	PHOTO UPDATE	11/23	TC		
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MATERIALS: SEE DATA SHEET	CAGE CODE: 0T8L4	SCALE: N/A	SIZE: A
FINISHES: SEE DATA SHEET	PART NO./DRAWING NO. <b>HC0220-10</b>		REV: B