

C-Band 10W BUC

Main Feature

- Small size and light weight : 192 x 131 x 97mm, 2.9kg
- High Linearity
- High Efficiency
→ Power consumption : 64W typ.
- Internal & External Reference detection and auto selection
- LED Indication (Lock status)



Item	Specification	
Basic Specification		
RF Frequency Range	5.85 ~ 6.425 GHz (Standard) 5.85 ~ 6.725 GHz (Extended)	
IF Frequency Range	950 ~ 1525 MHz (Standard) 950 ~ 1825 MHz (Extended)	
LO Frequency	4.9 GHz (Standard/Extended)	
P1dB min.	40.0 dBm typ. (10W)	
Electrical Specification		
VSWR	1.5 : 1 max. @ Input port	
Gain nom.	65 dB typ.	
Gain Flatness	± 2.0 dB max. @ room temp over full band	
Gain Variation	±2.0dB over temp.	
IMD3 @ 37dBm Output Power (SCL : 34dBm each, two equal signals 5MHz apart)	-28 dBc min. -30 dBc typ.	
Spectral Regrowth	-30 dBc typ.	
Spurious	-60 dBc	
Internal Ref. Stability	0.28 ppm	
Requirement of External Ref.	External 10MHz @ IF Cable Power Level : -5 dBm min.	
Phase Noise @ Internal Ref.	Phase Noise : - 70 dBc/Hz max. @ 100Hz - 80 dBc/Hz max. @ 1kHz - 82 dBc/Hz max. @ 10kHz - 105 dBc/Hz max. @ 100kHz	
LED Status	Green	The PLL lock status
	Off	Loss of lock

Item	Specification
Power Consumption	64W typ.
Power Requirements	24VDC or 48 VDC (Optional)
Mechanical Specification	
Size (L x W x H mm)	192(L) X 131(W) X 97(H) mm, exclude connector
Weigh	2.9 Kg Typ.
Input Connector	Type N (female) or Type F (female), Optional
Output Connector	WG-137 (with Groove)
Cooling	Fanless
Environmental Specification	
Operating Temperature	-40°C to +60°C
Storage Temperature	-45°C to +85°C

Line-Up

Model No.	RF Freq.	LO Freq.	IF Freq.	Power	Connector
PTB-CS10F-01	5.85~ 6.425GHz	4.9GHz	0.95~ 1.525GHz	24V	F-Type
PTB-CS10N-01					N-Type
PTB-CE10F-01	5.85~ 6.725GHz	4.9GHz	0.95~ 1.825GHz		F-Type
PTB-CE10N-01					N-Type
PTB-CS10F-02	5.85~ 6.425GHz	4.9GHz	0.95~ 1.525GHz	48V	F-Type
PTB-CS10N-02					N-Type
PTB-CE10F-02	5.85~ 6.725GHz	4.9GHz	0.95~ 1.825GHz		F-Type
PTB-CE10N-02					N-Type