

## EB-QDFB-20-4550-50-001



	Unit	Min	Typ	Max
<b>Optical</b>				
Center Wavelength	nm		4580/4587/4602	
Tuning Range	cm <sup>-1</sup>		2	
Output Power	mW	5	30	
Operation Mode	#		CW/pluse	
Side Mode Suppression Ratio	dB	20		
Wavelength-Temperature Drift Coefficient	nm/°C		0.3	
Wavelength-Current Drift Coefficient	nm/mA		0.07	
<b>Electrical</b>				
Slope Efficiency	mW/mA		1	
Threshold Current	mA		30	
Operating Current	mA		I <sub>th</sub> +10mA	
Operating Voltage	V		10	
<b>Geometric Size</b>				
Emitter Width	μm		3	
Cavity Length	mm		1	
Width	μm		400	
Emitter Number			1	
Thickness	μm	135	145	155
<b>Others</b>				
Operating Temperature Range		10	25	50

### Product Features



High Reliability



Low Power Consumption



High Power

### Application



Gas Detection



Space Communications