

**LMS**

LED28-05

Light Emitting Diode

Parameter	Rating	units	Conditions
Peak emission wavelength	2.8	μm	300K
Spectral bandwidth (FWHM)	0.3	μm	300K
Max.emission power			
@ I=100 mA	50	μW	CW mode
@ I=1-5 A	5	mW	pulsed* mode
Response time	100	nS	
Temperature drift of band	2	nm/K	
Encapsulation	TO-18 (TO-5,TO-8 opt.)		Sapphire window
Efficiency, % (not less)	0.05		
Field of View	60	deg.	

Notes

- recommended detector is room temperature photovoltaic MCT detector model PDI-4 or TE-cooled photovoltaic MCT model PDI-2TE-4; or room temperature photoconductive MCT detector PCI-4 or TE-cooled photoconductive detector model PCI-2TE-4
- DO NOT connect/disconnect the LED while the pulse generator is in operation
- * I = 1.0 - 3.0 A, pulse width = 5μs @ f = 500Hz repetition rate

