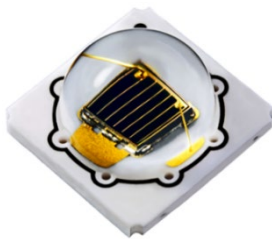


MGN1105MS



MGN1106MS

**High efficiency IR LED with high quality and high reliability characteristics.
AEC-Q compliant.**

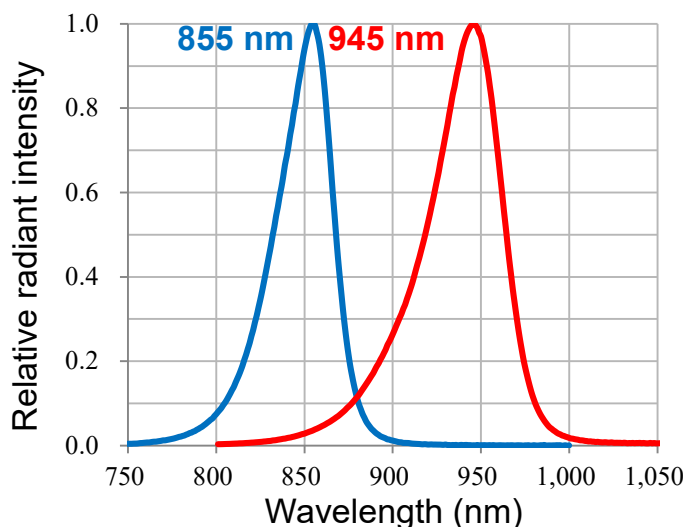
Feature

- High Efficiency
- Low Voltage
- Low Thermal Resistance
- Anti Sulfur
- Long Lifetime
- Narrow Angle and Wide Angle

Applications

- Driver Monitoring System
- Machine Vision
- Inspection
- Optical Communication

Spectrum data



Specification

(Ta=25°C, I_F=1,000mA)

Item		MGN1105MS	MFN1105MS	MGN1106MS	MFN1106MS
Size	mm	L3.8 × W3.8 × H2.8		L3.8 × W3.8 × H2.1	
Peak wavelength (λ _p)	nm	855	945	855	945
Radiant intensity (I _e)	mW/sr	530	440	280	230
Total radiant flux (Φ _e)	mW	1,100	950	1,100	950
Forward voltage (V _F)	V	1.8	1.5	1.8	1.5
Half intensity angle (2θ _{1/2})	deg.	60	60	120	120
Max forward current (I _F Max.)	mA	1,000	1,000	1,000	1,000
Max. thermal resistance / R _{th(j-s)}	K/W	7	7	7	7
Response time (tr / tf)	nsec	15/15	15/15	15/15	15/15

This document was submitted in Oct.2018