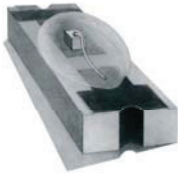


LED - Visible SMD LED
CR 10 Series (1205)



CR 50 Series (1205)



Type	Colour	Wave length in nm	Luminous intensity in mcd (IF=20mA)		Forward voltage in V (IF=20mA)	Continuous forward current in mA	Orientation
			min.	typ.			
CR 10 SG	standard green	565	5	15	2,3	50	Cathode
CR 10 YG	yellow green	570	6	15	2,3	50	Cathode
CR 10 Y	yellow	590	6	12	2,1	50	Cathode
CR 10 R	orange red	630	6	10	2,0	50	Cathode
CR 10 NR	red	650	2	6	1,9	60	Cathode
CR 10 1M	hyper red	658	25	50	1,8	70	Cathode
CR 50 SG	standard green	565	5	15	2,2	50	Cathode
CR 50 YG	yellow green	570	6	15	2,2	50	Cathode
CR 50 Y	yellow	590	6	12	2,1	50	Cathode
CR 50 R	orange red	630	6	10	2,0	50	Cathode
CR 50 NR	red	650	2	6	1,9	60	Cathode
CR 50 SR	super red	655	10	15	1,85	70	Anode
CR 50 UR	ultra red	660	17	40	1,8	70	Cathode
CR 50 1M	hyper red	658	25	50	1,8	70	Anode

Note for visible SMD LED :

- Most types are also available with diffused epoxy, ordering code: CR12 / 52 xx
- CR10 can be delivered in solid strips
- All types can be glued
- More colours on request

General Data at 25° C:

Power Dissipation	130 mV
Reverse Voltage	5 V
Peak Current	800 mA
Cont. Current	75 mA
Radiation Angle	180 °

Temperatures:

Operating	-25 to +80 °C
Storage	-25 to +120 °C
Soldering	10 sec at 250 °C
Junction	120 °C

**CR 60 Series (1205)
Ceramic SMD LED - Low Profile
Height 0,6 mm only**

Type	Colour	Wave length in nM	Luminous intensity in mcd ($I_F=20mA$)		Forward voltage in V ($I_F=20mA$) typ.	Continuous forward current in mA	Orientation
			min.	typ.			
CR 60 B	blue	460	20,0	25,0	3,3	30	Cathode
CR 60 G	green	525	150,0	180,0	3,3	30	Cathode
CR 60 R	red	628	100,0	140,0	2,0	60	Cathode
CR 60 Y	yellow	600	100,0	130,0	2,0	60	Cathode

**SR 10 Series (1206)
High Precision of Chip Position**

Type	Colour	Wave length in nM	Luminous intensity in mcd ($I_F=20mA$)		Forward voltage in V ($I_F=20mA$)	Continuous forward current in mA	Orientation
			min.	typ.			
SR10 HR	hyper red	655	12	25	1,8	30	Anode
SR10 HR-B	hyper red	655	12	25	1,8	30	Anode
SR10 UR	ultra red	660	25	50	1,8	30	Cathode
SR10 UR-B	ultra red	660	40	70	1,8	30	Cathode

EM 20 Series (0805)
Surface Mount LED
 2,0 x 1,25 mm

Type	Colour	Wave length in nm	Luminous intensity in mcd ($I_F=20mA$)		Forward voltage in V ($I_F=20mA$)	Forward current I_F [mA]
			min.	typ.		
EM 20 SG	standard green	565	3	12,5	2,2	25
EM 20 Y	yellow	590	3	8	2,1	30
EM 20 UY	ultra yellow	595	50	80	2,2	25
EM 20 A	amber	610	4	10	2,2	30
EM 20 R	red	625	4	12,5	2,0	30
EM 20 SR	super red	660	40	70	1,85	30
EM 20 UR	ultra red	660	40	70	1,85	30

INFRARED SMD SERIES

CR 10 Series (1205)

CR 50 Series (1205)

Type	Power		Rise time t_r in ns	Fall time t_f in ns	Forward voltage		Wave length in nm	Continuous forward current in mA	Orientation
	at 50 mA (mW)	at 20 mA (mW)			at 50 mA (V)	at 20 mA (V)			
CR 10 IRD	6,3	2,4	40	30	1,75	1,6	770	75	Anode
CR 50 IRK	11,4	4,4	500	500	1,35	1,2	930	80	Cathode
CR 50 IRDA	20,0	8,2	30	15	1,5	1,4	870	75	Cathode
CR 50 IRH	10,6	4,5	1500	800	-	1,35	870	75	Anode

See package and solder terminals.