



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Specification Sheet

CK - 20

Plastic Optical Fiber

ESKA

High - Performance Plastic Optical Fiber

E s k aTM

MITSUBISHI RAYON CO., LTD.
ESKA OPTICAL FIBER DIVISION

6-41 Kounan 1-Chome, Minato-ku, Tokyo, Japan

Phone : + 81 - 3 - 5495 - 3060

Facsimile : + 81 - 3 - 5495 - 3212

1.Scope

This specification covers basic requirements for the structure, optical and mechanical performances of CK-20.

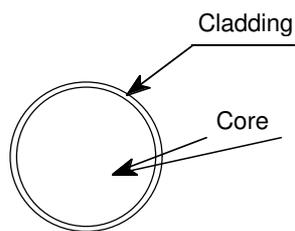
2. Structure

Table1

CK - 20

Item		Specification			
		Unit	Min.	Typ.	Max.
Optical Fiber	Core Material	—	Polymetyl - Methacrylate Resin		
	Cladding Material	—	Fluorinated Polymer		
	Core Refractive Index	—	1.49		
	Numerical Aperture	—	0.5		
	Refractive Index Profile	—	Step Index		
	Core Diameter	μm	456	486	516
	Cladding Diameter	μm	470	500	530
Approximate Weight		g / m	0.3		

Sectional View



3.Performance

Table2

Item		Acceptance Criterion and / or [Test Condition]	CK - 20			
			Unit	Min.	Typ.	Max.
Maximum Rating	Storage and Operation Temperature	No Deterioration in Optical Properties*	°C	- 55	—	+ 70
	Operation Temperature under high humidity	No Deterioration in Optical Properties** [95 %RH]	°C	-	—	+ 60
Optical Properties	Transmission Loss	650 nm Collimated Light] [Standard condition] [10 m - 1 m cutback]	dB/km	—	—	250
Mechanical Characteristics	Minimum Bend Radius	Loss Increment =< 0.5 dB [Quarter bend]	mm	10	—	—
	Tensile Strength	[Tensile Force at Yield Point] [JIS C 6861]	N	14	—	—

All tests are carried out under temperature of 25°C unless otherwise specified.

* Attenuation change shall be within 10 % after 1,000 hours.

** Attenuation change shall be within 10 % after 1,000 hours, except that due to absorbed water .

The specification is subject to change without notice.

The information contained herein is presented as a guide for the product selection. Please contact our business department for the issue of an official specification sheet.